

ABSTRACT OF THE DISCLOSURE

The present invention relates to a method and apparatus for
5 correcting frequency offset of a local oscillator in a direct
sequence spread spectrum receiver such as UMTS. Received signals
comprise a plurality of sequential slots of data. At least one
of these includes synchronization data. A correlation is
performed between this received data and a locally stored
10 synchronization code. Subsequently, the received data is phase
adjusted and a further correlation performed between the phase
adjusted data and the locally stored synchronization code. The
strongest correlation peak is then determined and a phase offset
to be applied to the local oscillator is estimated from the phase
15 adjustment required to produce the strongest peak. This is
subsequently applied to the local oscillator.

T06T60-F033560